Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/30/2022 09:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124153	-1	1.89	124064	1.84
Blue	F	SSC	125000	124817	-1	3.32	125542	3.25
Blue	E	FITC	15860	15350	-4	2.46	373	14.31
Blue	D	PE	27718	27304	-2	1.91	635	10.76
Blue	B	PerCP-Cy5-5	38046	37350	-2	3.09	1019	15.10
Blue	A	PE-Cy7	26092	25636	-2	4.97	504	30.50
Red	C	APC	49104	48471	-2	2.60	1708	11.58
Red	A	APC-Cy7	28201	27297	-4	2.93	719	12.25
Violet	B	V450	9904	9430	-5	3.63	526	11.99
Violet	A	V500	39004	37768	-4	3.16	987	9.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23693	2.17	569	0	N/A	N/A	Pass
Blue	F	SSC	55713	1.96	522	-6	N/A	N/A	Pass
Blue	E	FITC	57	59.30	492	1	0.0449	224	Pass
Blue	D	PE	124	39.65	498	2	0.3765	309	Pass
Blue	B	PerCP-Cy5-5	139	47.38	590	1	0.0197	132	Pass
Blue	A	PE-Cy7	63	97.72	632	0	0.0221	10	Pass
Red	C	APC	331	26.61	578	-3	0.0265	127	Pass
Red	A	APC-Cy7	97	42.62	550	-5	0.0063	1220	Pass
Violet	B	V450	85	54.24	462	4	0.0618	3117	Pass
Violet	A	V500	123	41.11	474	5	0.0247	2854	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.03	-31.67	1.04
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.94	13.90 - 20.86	N/A	N/A	29.90	30.25	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10257

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments